IT IS CLAIMED:

1. A compound having the structure I:

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where:

CR¹R² is selected from CHOH, C=O, CHF, CF₂ and C(CF₃)OH;

CR⁶ and CR¹³ are selected from CH, COH and CF;

CR⁷R⁸, CR⁹R¹⁰ and CR¹¹R¹² are selected from CH₂, CHOH, C=O, CHF and CF₂; and

CR³R⁴R⁵ is selected from CH₃, CH₂OH, C=O, COOH, CH₂F, CHF₂ and CF₃; such that at least one of R¹-R¹³ comprises fluorine;

no more than two of CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, CR¹¹R¹², and CR¹³ comprises fluorine or oxygen;

and, when CR¹R² is CHOH, CR³R⁴R⁵ is not CH₂F.

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- 2. A compound of claim 1, wherein each of CR^7R^8 and CR^9R^{10} is independently selected from CH_2 , $CHOH(\beta)$, C=O, $CHF(\alpha)$ and CF_2 .
- 3. A compound of claim 2, wherein no more than one of CR³R⁴R⁵, CR⁶, CR⁷R⁸, 20 CR⁹R¹⁰, CR¹¹R¹², and CR¹³ comprises fluorine or oxygen.
 - 4. A compound of claim 3, wherein exactly one of CR¹R², CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, and CR¹¹R¹² comprises fluorine.
- 25 5. A compound of claim 4, wherein exactly one of CR^1R^2 , CR^6 , CR^7R^8 , CR^9R^{10} , and

CR¹¹R¹² comprises fluorine.

- 6. A compound of claim 5, wherein CR¹R² comprises fluorine.
- 5 7. A compound of claim 6, wherein CR¹R² is CF₂.
 - 8. A compound of claim 6, wherein CR^1R^2 is $CHF(\alpha)$.
 - 9. A compound of claim 8, wherein each of R³-R¹³ is hydrogen.
 - 10. A method of effecting immunosuppression, comprising administering to a subject in need of such treatment, in a pharmaceutically acceptable vehicle, an effective amount of a compound having the structure I:

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where:

CR¹R² is selected from CHOH, C=O, CHF, CF₂ and C(CF₃)OH;

CR⁶ and CR¹³ are selected from CH, COH and CF;

 $CR^{7}R^{8}$, $CR^{9}R^{10}$ and $CR^{11}R^{12}$ are selected from CH_{2} , CHOH, C=O, CHF and CF_{2} ; and

CR³R⁴R⁵ is selected from CH₃, CH₂OH, C=O, COOH, CH₂F, CHF₂ and CF₃;

such that at least one of R¹-R¹³ comprises fluorine;

no more than two of CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, CR¹¹R¹², and CR¹³ comprises fluorine or oxygen;

and, when CR¹R² is CHOH, CR³R⁴R⁵ is not CH₂F.

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11. The method of claim 10, wherein each of CR^7R^8 and CR^9R^{10} is independently

selected from CH₂, CHOH(β), C=O, CHF(α) and CF₂.

- 12. The method of claim 10, wherein exactly one of CR¹R², CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, and CR¹¹R¹² comprises fluorine.
 - 13. The method of claim 12, wherein CR¹R² comprises fluorine.
 - 14. The method of claim 13, wherein CR¹R² is CF₂.
- 15. The method of claim 13, wherein CR^1R^2 is $CHF(\alpha)$.
 - 16. The method of claim 15, wherein each of R³-R¹³ is hydrogen.
- 17. A method of inducing apoptosis in a cell, comprising contacting said cell with an effective amount of a compound having the structure I:

where:

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- CR¹R² is selected from CHOH, C=O, CHF, CF₂ and C(CF₃)OH;
 CR⁶ and CR¹³ are selected from CH, COH and CF;
 CR⁷R⁸, CR⁹R¹⁰ and CR¹¹R¹² are selected from CH₂, CHOH, C=O, CHF and CF₂; and CR³R⁴R⁵ is selected from CH₃, CH₂OH, C=O, COOH, CH₂F, CHF₂ and CF₃; such that at least one of R¹-R¹³ comprises fluorine;
- no more than two of CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, CR¹¹R¹², and CR¹³ comprises fluorine or oxygen;

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and, when CR¹R² is CHOH, CR³R⁴R⁵ is not CH₂F.

- 18. The method of claim 17, wherein each of CR^7R^8 and CR^9R^{10} is independently selected from CH_2 , $CHOH(\beta)$, C=O, $CHF(\alpha)$ and CF_2 .
- 19. The method of claim 18, wherein exactly one of CR¹R², CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, and CR¹¹R¹² comprises fluorine.
 - 20. The method of claim 19, wherein CR¹R² comprises fluorine.
- 21. The method of claim 20, wherein CR¹R² is CF₂.
 - 22. The method of claim 20, wherein CR^1R^2 is $CHF(\alpha)$.
- 15 23. The method of claim 22, wherein each of R³-R¹³ is hydrogen.